INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/13869

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ G01R31/311				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum do Int.	ocumentation searched (classification system followed C1 G01R31/28-3193	by classification symbols)		
Jitsu	ion searched other than minimum documentation to the Livo Shinan Koho 1922-1996 i Jitsuyo Shinan Koho 1971-2003	Toroku Jitsuyo Shinan Koho	o 1994–2003	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCU	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	· · · · · ·	Relevant to claim No.	
X , Y A	JP 2001-166012 A (Advantest 22 June, 2001 (22.06.01), Full text; all drawings (Family: none)	Corp.),	1-3,6,8 5,7,10-14 4,9	
Y A	JP 9-092701 A (Nippon Telegr Corp.), 04 April, 1997 (04.04.97), Par. Nos. [0002], [0051] to [(Family: none)		5,7,10-14 9	
Y	JP 1-277781 A (Nippon Telegr Corp.), 08 November, 1989 (08.11.89), Full text; all drawings (Family: none)	_	10-13	
× Furthe	er documents are listed in the continuation of Box C.	See patent family annex.		
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive		
date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later		step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family		
Date of the actual completion of the international search 12 December, 2003 (12.12.03)		Date of mailing of the international search report 13 January, 2004 (13.01.04)		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5514971 A (NEC Corp.), 07 May, 1996 (07.05.96), Full text; all drawings & JP 7-043409 A	
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